

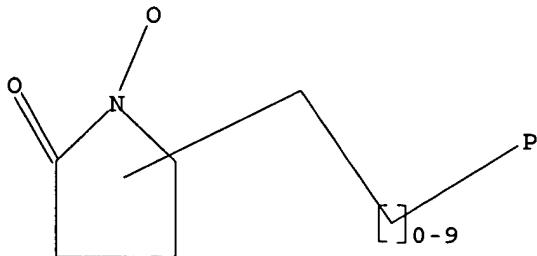
10/01/200509868962R>

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6 7 8 10 11  
ring nodes :  
1 2 3 4 5  
chain bonds :  
1-6 5-7 8-10 10-11  
ring bonds :  
1-2 1-5 2-3 3-4 4-5  
exact/norm bonds :  
1-2 1-5 1-6 5-7  
exact bonds :  
2-3 3-4 4-5 8-10 10-11  
isolated ring systems :  
containing 1 :
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Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS  
10:CLASS 11:CLASS

L2 STRUCTURE UPLOADED

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=> d  
L2 HAS NO ANSWERS  
L2 STR
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Structure attributes must be viewed using STN Express query preparation.

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FULL SEARCH INITIATED 10:00:22 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 378 TO ITERATE
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100.0% PROCESSED 378 ITERATIONS 13 ANSWERS  
SEARCH TIME: 00.00.01
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L3 13 SEA SSS FUL L2

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FILE 'CAPLUS' ENTERED AT 10:00:28 ON 10 JAN 2005  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

10/01/200509868962R>

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2000:441803 CAPLUS  
DN 133:68911  
TI Organophosphorus compounds, their preparation, and their use as  
virucides,  
fungicides, bactericides, parasiticides, and herbicides  
IN Jomaa, Hassan  
PA Germany  
SO PCT Int. Appl., 55 pp.  
CODEN: PIIXDZ  
DT Patent  
LA German  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000037477	A1	20000629	WO 1999-EP10274	19991222
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TH				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BY, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19859426	A1	20000706	DE 1998-19859426	19981222
CA 2356289	AA	20000629	CA 1999-2356289	19991222
BB 9916466	A	20010925	BB 1999-16466	19991222
EP 1140952	A1	20011010	EP 1999-968365	19991222
EP 1140952	B1	20030903		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
TR 200101832	T2	20011221	TR 2001-200101832	19991222
JP 2002533350	T2	20021008	JP 2000-589547	19991222
AT 248846	E	20030915	AT 1999-968365	19991222
PT 1140952	T	20040227	PT 1999-968365	19991222
ES 2204189	T3	20040416	ES 1999-968365	19991222
ZA 2001004443	A	20020114	ZA 2001-4443	20010530
NO 2001003085	A	20010822	NO 2001-3085	20010621
PRAI DE 1998-19859426	A	19981222		
WO 1999-EP10274	W	19991222		
OS MARPAT 133:68911				
RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD				
ALL CITATIONS AVAILABLE IN THE RE FORMAT				

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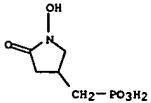
10/01/200509868962R>

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 2000:441803 CAPLUS  
 DOCUMENT NUMBER: 133:68911  
 TITLE: Organophosphorus compounds, their preparation, and their use as viricides, fungicides, bactericides, parasiticides, and herbicides  
 INVENTOR(S): Jomaa, Hassan  
 PATENT ASSIGNEE(S): Germany  
 SOURCE: PCT Int. Appl., 55 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000037477	A1	20000629	WO 1999-EP10274	19991222
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HK, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GA, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DA, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19859426	A1	20000706	DE 1998-19859426	19981222
CA 2356289	AA	20000629	CA 1999-2356289	19991222
BR 9916466	A	20010925	BR 1999-16466	19991222
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TR 200101832	T2	20011221	TR 2001-200101832	19991222
JP 2002533350	T2	20021008	JP 2000-589547	19991222
AT 248846	E	20030915	AT 1999-968365	19991222
PT 1140952	T	20040227	PT 1999-968365	19991222
ES 2204189	T3	20040416	ES 1999-968365	19991222
ZA 200100443	A	20020114	ZA 2001-4443	20010530
NO 2001003085	A	20010822	NO 2001-3085	20010621
PRIORITY APPLN. INFO.:			DE 1998-19859426	A 19981222
		WO 1999-EP10274		W 19991222

OTHER SOURCE(S): MARPAT 133:68911  
 AB The invention provides organophosphorus compd. R1AP(-O)(R3)(R4) [A = (C1-9) alkylene, COC, CNC, C1(B1)(B2)C(B3)(B4)C(B5)(B6)C4(B7)(B8)C(B9) (B10) (21 of C3-C5 and their substituents can also be absent; ≥1 of B1-B10 = C3-8-cycloalkyl-(C0-9)-alkyl]; R1 = 5- or 6-membered heterocycle with ≥1 N in the ring or polycyclic carbon atoms containing one of the heterocycles, wherein 21 of the R1 belongs to hydroxamic acid group or hydroxamic acid ester group; R3, R4 = H, (un)substituted C1-26 alkyl (un)substituted aryl, etc.). Also provided is the use of these compds. in the therapeutic and prophylactic treatment of infections

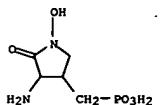
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)  
 in human beings and animals caused by viruses, bacteria, fungi, and parasites, and as fungicides, bactericides, and herbicides in plants.

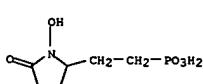
IT 278778-53-39  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic Preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (organophosphorus compound preparation and use as viricide, fungicide, bactericide, parasiticide, and herbicide)

RN 278778-53-3 CAPLUS  
 CN Phosphonic acid, [(4-amino-1-hydroxy-5-oxo-3-pyrrolidinyl)methyl]- (9CI) (CA INDEX NAME)



IT 278778-38-4 278778-39-5 278778-40-8  
 278778-41-9 278778-42-0  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
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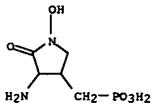
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RN 278778-39-5 CAPLUS  
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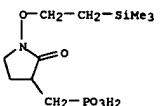
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



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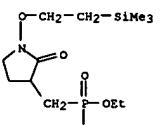
IT 278778-51-19  
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 (organophosphorus compound preparation and use as viricide, fungicide, bactericide, parasiticide, and herbicide)

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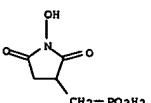
IT 278778-50-2 278778-52-2  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction; organophosphorus compound preparation and use as viricide, fungicide, bactericide, parasiticide, and herbicide)

RN 278778-50-0 CAPLUS  
 CN Phosphonic acid, [(2-oxo-1-[2-(trimethylsilyl)ethoxy]-3-pyrrolidinyl)methyl]-, diethyl ester (9CI) (CA INDEX NAME)



IT 278778-52-2 CAPLUS  
 CN Phosphonic acid, [(4-amino-1-hydroxy-5-oxo-3-pyrrolidinyl)methyl]-, dimethyl ester (9CI) (CA INDEX NAME)

RN 278778-41-9 CAPLUS  
 CN Phosphonic acid, [(1-hydroxy-2,5-dioxo-3-pyrrolidinyl)methyl]-, disodium salt (9CI) (CA INDEX NAME)



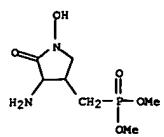
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RN 278778-42-0 CAPLUS  
 CN Phosphonic acid, [(4-amino-1-hydroxy-5-oxo-3-pyrrolidinyl)methyl]-, disodium salt (9CI) (CA INDEX NAME)

10/01/200509868962R>

L4 ANSWER 1 OF 1 CAPIUS COPYRIGHT 2005 ACS on STN (Continued)



REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR  
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
FORMAT

Day : Monday  
 Date: 1/10/2005

Time: 14:57:24

**PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = JOMAA

First Name = HASSAN

Application#	Patent#	Status	Date Filed	Title	Inventor Name 24
<a href="#">10948210</a>	Not Issued	020	09/24/2004	PHOSPHOROUS ORGANIC COMPOUNDS AND THEIR USE	JOMAA, HASSAN
<a href="#">10676131</a>	Not Issued	030	10/02/2003	USE OF ORGANOPHOSPHORUS COMPOUNDS FOR THE THERAPEUTIC AND PROPHYLACTIC TREATMENT OF INFECTIONS	JOMAA, HASSAN
<a href="#">10475510</a>	Not Issued	019	01/01/0001	INACTIVATION OF GENES OF THE MEP PATHWAY	JOMAA, HASSAN
<a href="#">10434164</a>	Not Issued	030	05/09/2003	USE OF COMPOUNDS COMPRISING A NITROGEN-OXYGEN HETEROCYCLE	JOMAA, HASSAN
<a href="#">10363280</a>	Not Issued	020	10/01/2003	COMBINATION PREPARATIONS OF 3-N-FORMYLHYDROXYLAMINOPROPYL PHOSPHONIC ACID DERIVATIVES OR 3-N-ACETYLHYDROXYLAMINOPROPYL PHOSPHONIC ACID DERIVATIVES COMBINED WITH SPECIFIC PHARMACEUTICAL ACTIVE AGENTS	JOMAA, HASSAN
<a href="#">10275360</a>	Not Issued	041	11/05/2002	GENES OF THE 1-DESOXY -D-XYLULOSE BIOSYNTHESIS PATH	JOMAA, HASSAN
<a href="#">10241413</a>	6812224	150	09/11/2002	PHOSPHOROUS ORGANIC COMPOUNDS AND THEIR USE	JOMAA, HASSAN
<a href="#">10241346</a>	6753324	150	09/11/2002	PHOSPHOROUS ORGANIC COMPOUNDS AND THEIR USE	JOMAA, HASSAN
<a href="#">10204683</a>	Not Issued	030	08/23/2002	USE OF 2-PHENYLENE DIAMINE DERIVATIVES FOR THE TREATMENT OF INFECTIONS	JOMAA, HASSAN
<a href="#">10204068</a>	Not Issued	164	08/16/2002	PHOSPHORORGANIC COMPOUNDS AND THE USE THEREOF	JOMAA, HASSAN

<u>09980611</u>	6638957	150	11/02/2001	USE OF COMPOUNDS WITH A NITROGEN-OXYGEN HETEROCYCLE	JOMAA, HASSAN
<u>09979477</u>	Not Issued	161	11/21/2001	USE OF GENES OF THE DEOXY-D-XYLULOSE PHOSPHATE BIOSYNTHETIC PATHWAY FOR ALTERING THE CONCENTRATION OF ISOPRENOID	JOMAA, HASSAN
<u>09889995</u>	Not Issued	161	07/25/2001	USE OF PHOSPHORORGANIC COMPOUNDS FOR THE PROPHYLACTIC AND THERAPEUTICAL TREATMENT OF INFECTIONS	JOMAA, HASSAN
<u>09869738</u>	Not Issued	161	07/03/2001	USE OF 3-ISOXAZOLIDINONES AND HYDROXYLAMINE ACIDS FOR THE TREATMENT OF INFECTIONS	JOMAA, HASSAN
<u>09868962</u>	Not Issued	071	06/22/2001	ORGANO-PHOSPHORUS COMPOUNDS AND THEIR UTILIZATION	JOMAA, HASSAN
<u>09868961</u>	6696427	150	06/22/2001	USE OF BISPHOSPHONATES FOR THE PREVENTION AND TREATMENT OF INFECTIOUS PROCESSES	JOMAA, HASSAN
<u>09856805</u>	Not Issued	161	05/25/2001	USE OF PHOSPHONOFORMIC ACID DERIVATIVES FOR TREATING INFECTIONS	JOMAA, HASSAN
<u>09856804</u>	Not Issued	161	05/25/2001	USE OF PHOSPHONOFORMIC ACID DERIVATIVES FOR TREATING INFECTIONS	JOMAA, HASSAN
<u>09856789</u>	6534489	150	05/25/2001	ORGANOPHOSPHOROUS COMPOUNDS AND THE USE THEREOF	JOMAA, HASSAN
<u>09806080</u>	Not Issued	161	06/01/2001	GENES OF THE 1-DEOXY-D-XYLULOSE BIOSYNTHESIS PATHWAY	JOMAA, HASSAN
<u>09787860</u>	Not Issued	071	06/18/2002	USE OF ORGANOPHOSPHOROUS COMPOUND FOR PRODUCING MEDICAMENTS FOR THE THERAPEUTIC AND PROPHYLACTIC TREATMENT OF INFECTIONS OR AS A FUNGICIDE, BACTERIDE OR HERBICIDE FOR PLANTS	JOMAA, HASSAN
<u>09743979</u>	Not Issued	164	03/02/2001	PHOSPHOROUS ORGANIC COMPOUNDS AND THEIR USE	JOMAA, HASSAN
<u>09720380</u>	Not Issued	161	12/20/2000	COMBINED PREPARATION OF ANTI-INFECTIOUSLY ACTIVE COMPOUNDS WHICH INHIBIT THE 2-	JOMAA, HASSAN

				C- METHYLERYTHROSE -4 METABOLIC PATHWAY, AND INHIBITORS OF LIPID METABOLISM	
09719946	Not Issued	041	12/15/2000	AUTOIMMUNE DISORDER AND ALLERGY MEDICAMENTS AND METHOD	JOMAA, HASAN

Inventor Search Completed: No Records to Display.

**Search Another: Inventor**

<b>Last Name</b>	<b>First Name</b>
<input type="text" value="jomaa"/>	<input type="text" value="hassan"/>
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